

Network Call Trace

Network Call Trace is available in X11 Release 17 and later. This feature traces network calls and diagnoses network problems. When a network call is blocked, trace data is output indicating the reason the call was blocked and the X11 software procedure responsible.

A network call can be traced by dialing a SPRE code and the NCT feature code (9912) before the network number. When this is done, call setup and status information is output to the system terminal as the call tandems through the network. The trace information is output to the all system terminals designated in LD 17 as ADAN = TTY and USER = MTC.

NCT provides the following types of information.

- the route used
- the facility accessed
- the routing control imposed
- the call-blocked location

There are two Network Call Trace functions: 01 and 02. They output different information as shown in the following sections.

Configuring Network Call Trace

To configure Network Call Trace, login to the system and:

- enter “NCT” in response to prompt RCAP in LD 17 for each D-channel (only required when the remote end is a Meridian 1 with X11 Release 17 or later)
- enter “CLTA” in response to prompt CLS in LD 10 or LD 11 to allow a telephone to trace calls

Tracing a call

A call can be traced from any attendant console or a telephone with CLTA Class of Service (CLS). To trace a call, dial:

SPRE + 9912 + xx + yyy...

Where:

SPRE = special function access code (defined in LD 15)

9912 = NCT feature code

xx = call trace function (01, 02)

yyy... = digits normally dialed for the network call

Dial tone is provided after "xx" is dialed.

Trace function 01

This Call Trace function provides the common information related to ESN routing. It is the recommended function. The call trace data for function 01 is:

```
**** NCT xx ****  
<switch specific data>  
--- OUT ---  
<outgoing data>  
--- IN ---  
<incoming data>  
--- STATE ---  
<call state>
```

Where xx is the Call Trace ID for a traced call. The output data depends on the type of call and can be:

CAUSE xxxx — call reject cause

CREF xxxx — call reference number

DCH — D-channel number

DGT xxxxx... — outgoing: digits outputpulsed

DGT xxxxx... — state: digits received (NODE=TBD), or digits dialed when the call is rejected (STAT=REJ)

DN xxs — DN of ringing set

ENT xx — entry in the outgoing route list

FCI x — free calling area index

FRL x — facility restriction level

IFC xxx — outgoing D-channel interface (LD 17 prompt IFC)

D100 = Meridian DMS-100

D250 = Meridian DMS-250

ESS4 = AT&T ESS4

ESS5 = AT&T ESS5

SL1 = Meridian SL-1

S100 = Meridian SL-100

SS12 = Norwegian SYS-12

AXEA = AXE-10 (Australia)

UNKN = unknown data received

LOC xxxx — call reject software location

MODE xxx — outgoing termination

ALOG = analog trunk

DTI = digital trunk interface - 1.5 Mb/s

DTI2 = digital trunk interface - 2.0 Mb/s

ISL = ISDN Signaling Link

PRA = Primary Rate Interface

UNKN = unknown data received

NCOS xx — Network Class of Service

NODE xxxx — type of node:

ORIG = originating node
TAND = intermediate node (tandem)
TERM = terminating node
TBD = node to be determined

RLI xxx — ESN outgoing route list index

RLS xx xx — software release, issue number of node switch

RTE xxx — incoming or outgoing route number

SID xxxx — system identification (LD 17)

STAT xxxx — call state, where xxxx can be:

ANS = call answered
BUSY = termination busy
DIAL = call state is dialing (mainpm)
ERR = error detected in this message
OPULSE = digit outpulsing
PROC = call proceeding through this node (tandem)
REJ = call rejected or blocked
REOR = call state is dialing (mainpm)
RING = call ringing
SEIZ = trunk seized

STYP xx — terminating station type

500 = single line telephone (LD 10)
BCS = multi-line telephone (LD 11)
ATT = attendant console (LD 12)

TKTP TIE,COT,WAT... — incoming or outgoing trunk type

TKTN loop ch, l s c u — incoming or outgoing B-channel, ISL trunk TN

TOD x — time of the day schedule

TYP I,E —Initial/Extended set

XLT NPA,NXX,LOC... — ESN translation type

Example 1: Successful call with trace function 01

In this example, the following digits are dialed from a phone at TN 0 0 5 1:

1+9912++01+78+6000

Where:

1 = SPRE (defined in LD 15)

9912 = NCT feature code

01 = call trace function 01

78 = PRI route access code (ACOD)

6000 = remote extension

The resulting trace information is output on the maintenance terminal:

**** NCT # 22 ****

NODE ORIG (SL1)

SID 0

RLS 17 53

--- OUT ---

TNS 0 0 5 1

DCH 5

IFC SL1

CREF 22

MODE PRA

RTE 24

TKTP TIE

TKTN 18 22

DGT 6000

--- STATE ---

STAT PROC

```
**** NCT # 22 ****
NODE ORIG (SL1)
SID 0
RLS 17 53
--- OUT ---
DCH 5
RTE 24
TKTP TIE
TKTN 18 22
DGT 6000

--- STATE ---
STYP BCS
DN 6000
STAT RING
```

Example 2: Unsuccessful call with trace function 01

In this example, the same call is made as in example 1, but in this case the D-channel is down.

The resulting trace information is output on the maintenance terminal:

```
**** NCT # 22 ****
NODE ORIG (SL1)
SID 0
RLS 17 53
--- OUT ---
TNS 0 0 5 1
MODE UNKN
--- STATE ---
DGT 786000
STAT REJ
LOC 99
```

Trace function 02

Call Trace function 02 provides the information from the active (main) call register, the incoming call state, and the outgoing call state (if any). Trace function 02 is intended as a debugging tool for system designers.

The information output by function 02 includes:

NODE ORIG,TAND,TERM,TBD
SID xxxx — system identifier
RLS xx xx — release of software, issue number of node
TNS l s c u — TN of the originating set
CREF xxxx — call reference number

Incoming call:

ISTATPM x — incoming state progress mark
ITRKPM x — incoming trunk progress mark
LOC xxxx — location code

Outgoing Call:

OSTATPM x — outgoing state progress mark
OTRKPM x — outgoing trunk progress mark
LOC xxxx — location code

Main Call Register:

Word 0 — MainPM/AuxPM
Word 1 — CRlink
Word 2 — Queue_In
Word 3,4 — Son_Types/Processes
Word 5 — Aux_CRlink
Word 6 — OrigType/TerType
Word 7 — TTR_TN
Word 8 — OrigTN
Word 9 — TerTN
Word 10 — CallFwdTN
Word 11 — DISA_Call/XFER_indication
Word 12,13 — CR_Dialled_DN
Word 14 — Digitload/Digitunload
Word 15-20 — digits

Feature requirements

Network Call Trace is limited to basic ISDN PRI/ISL calls across Meridian 1 private networks.

NCT collects information only during initial call setup. It does not report on further call modification, such as Call Transfer.

Network call information is lost and the call trace ceases when any of the Meridian 1 nodes in which the call is being traced is initialized or any of the D-channels fails.

Although NCT requires PRI or ISL, calls can be traced to nodes without NCT, DTI and analog trunks. However, only the local node information is provided. Trunk types not supported: ADM, AWU, DIC, MDM, MUS, PAG, RAN, RLM and RLR.

Call Trace information is still output if the call is blocked before the trunk is seized. If queuing (Ring Again, CBQ or OHQ) is available for the call, then the original call trace function is activated when the call is offered to the user.

When a remote SL-1 without NCT capability receives a Call Trace message, then no call trace information is returned.

NCT messages

NCT0001	Procedure INIT_NARS_FEATUR fails (i.e., return value is.FALSE). Module: NARS. Procedure: NARS_MODULE.
NCT0002	Procedure NARS_TIMESLICE fails (i.e., return value is.FALSE). Module: NARS. Procedure: NARS_MODULE.
NCT0003	Invalid NARS translation - case 0 of CASE statement. Module: NARS. Procedure: NARS_TRANS.
NCT0004	Number of digits $\leq$ maximum level of translator - case 2 of CASE statement. Module: NARS. Procedure: NARS_TRANS.
NCT0005	Incomplete translation but “#” has been dialed - case 2 of CASE statement. Module: NARS. Procedure: NARS_TRANS.
NCT0006	“#” has been dialed before all the expected digits have been received. Module: NARS. Procedure: NARS_GET_EXP_DGT.
NCT0007	“#” has been dialed in the middle of all the expected digits received. Module: NARS. Procedure: NARS_GET_EXP_DGT.
NCT0008	Invalid translation type - case 0 of CASE statement. Module: NARS. Procedure: NARS_EXAM_DATA.
NCT0009	Translation type is Local Steering Code - case 8 of CASE statement. Module: NARS. Procedure: NARS_EXAM_DATA.
NCT0010	Translation type 12 is not defined - case 12 of CASE statement. Module: NARS. Procedure: NARS_EXAM_DATA.
NCT0011	HNP was dialed in a previous translation. Module: NARS. Procedure: NARS_LOC_RTE_IND.
NCT0012	LOCATION LDN block does not exist. Module: NARS. Procedure: NARS_LOC_RTE_IND.
NCT0013	The SDR block does not exist. Module: NARS. Procedure: NARS_LOC_RTE_IND.
NCT0014	Incoming trunk group exclusion (ITGE) has blocked the call. Module: NARS. Procedure: NARS_LOC_RTE_IND.
NCT0015	A match of the restricted code was not found, but ITGE blocked the call. Module: NARS. Procedure: NARS_DGT_REST.

NCT0016	A match of the restricted code was not found, but STRK blocked the call. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0017	A match of the restricted code was found. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0018	A match of distant recognized DID code was found, but ITGE blocked the call. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0019	A match of distant recognized DDD code was found, but ITGE blocked the call. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0020	A match of incoming trunk group exclusion digits was found, but ITGE blocked the call. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0021	A match of incoming trunk group exclusion digits was found, but there is no ITEI. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0022	LDID with incorrect SDR type. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0023	No SDRR entry, but ITGE blocked the call. Module: NARS. Procedure: NARS_DGT_RESTR.
NCT0024	NARS_HNPA_FLAG is set which implies that translation tables have been switched previously. Module: NARS. Procedure: NARS_BARS_HNPA.
NCT0025	NARS_HNPA_FLAG is set which implies that translation tables have been switched previously. Module: NARS. Procedure: NARS_HLOC_CODE.
NCT0026	Accessing a network speed call list is not allowed or the speed call list is not a valid one. Module: NARS. Procedure: NARS_SPEED_CALL.
NCT0027	DNTRANS is incomplete, but NARS_EOD_FLAG is set. Module: NARS. Procedure: NARS_CDP_HOME.
NCT0028	Route type is not TIE/ADM/MOD 500 - a sub-procedure of NARS_CDP_HOME. Module: NARS. Procedure: CHECK_FOR_CO.
NCT0029	Invalid DNTRANS for CDP home code - a sub-procedure of NARS_CDP_HOME. Module: NARS. Procedure: BLOCK_THE_CALL.
NCT0030	Redirection counter has exceeded the threshold for ISDN call. Module: NARS. Procedure: INITIAL_ROUT_SEL.
NCT0031	Network Authcode Last has been activated. Module: NARS. Procedure: INITIAL_ROUT_SEL.

NCT0032	TCAP cannot find a D-channel in any of the routes. Module: NARS. Procedure: TCAP_ROUTE_SEL.
NCT0033	TRO_FIND_RTE failed for initial set of routes. Module: NARS. Procedure: TRO_ROUTE_SEL.
NCT0034	TRO_FIND_RTE failed for the extended set of routes. Module: NARS. Procedure: TRO_ROUTE_SEL.
NCT0035	TRO_FIND_RTE shows all trunks are busy. Module: NARS. Procedure: TRO_ROUTE_SEL.
NCT0036	AMP_MOD failed for data calls. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0037	A data call tries to access an analog trunk without AMP package, or an analog trunk being accessed via AMP non-ADCP or no ADM trunk route in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0038	An ADM route is accessed but the call is forwarded. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0039	Call is queued on the initial set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0040	Call is waiting for EOD on the I-set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0041	Call is waiting for more digits for FCAS on the I-set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0042	No routes are available on the extended set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0043	Call has been queued on the extended set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0044	Call is waiting for EOD on the extended set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0045	Call is waiting for more digits for FCAS on the extended set of the routes in the route list. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0046	ETN trunk has not received enough digits. Module: NARS. Procedure: ROUTE_SELECTION.

NCT0047	INIT_RL_PTR fails - cannot set up route list pointers. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0048	TNTRANS fails on ORIGN. Module: NARS. Procedure: ROUTE_SELECTION.
NCT0049	INIT_RL_PTR fails. Module: NARS. Procedure: OHQ_TIMEOUT.
NCT0050	SET_RL_ENTRY_PTR fails. Module: NARS. Procedure: NARS_TRK_SEIZED.
NCT0051	INIT_RL_PTR fails. Module: NARS. Procedure: NARS_TRK_SEIZED.
NCT0052	NARS_LDN_CONV fails for LOC. Module: NARS. Procedure: TERMINATION.
NCT0053	To conventional main and recognized DID to dumb main and digit manipulation fails. Module: NARS. Procedure: TERMINATION.
NCT0054	Digit manipulation fails. Module: NARS. Procedure: TERMINATION.
NCT0055	INIT_ENTRY_PTRS fails. Module: NARS. Procedure: TDET_TERMINATION.
NCT0056	The pointer to the TDET entry for SCC type of calls is NIL. Module: NARS. Procedure: TDET_TERMINATION.
NCT0057	NARS_PM=.NARS_ACCESS, but NARS_OCTO_FLAG is not set. Module: NARS. Procedure: NARS_EOD_TO.
NCT0058	NARS_PM=.NARS_TRANS, not all digits have been received but the timeout has occurred or it is an ETN call. Module: NARS. Procedure: NARS_EOD_TO.
NCT0059	Redirection counter has exceeded the threshold for ISDN call. Module: DIGPR. Procedure: TRUNKTER.
NCT0060	Satellite history call cannot access another satellite route. Module: DIGPR. Procedure: TRUNKTER.
NCT0061	An incoming ISDN PRA/ISL call failed B.C. compatibility checking. Module: DIGPR. Procedure: TRUNKTER.
NCT0062	Invalid AMP call. Module: DIGPR. Procedure: TRUNKTER.
NCT0063	To access an ISA route directly is not allowed. Module: DIGPR. Procedure: TRUNKTER.
NCT0064	64kbps data call cannot access a non-PRA facility. Module: DIGPR. Procedure: TRUNKTER.

NCT0065	DT12 VOD call type is not allowed on the route dialed. Module: DIGPR. Procedure: TRUNKTER.
NCT0066	Data call is not allowed on the route accessed. Module: DIGPR. Procedure: TRUNKTER.
NCT0067	Voice call is not allowed on the route accessed. Module: DIGPR. Procedure: TRUNKTER.
NCT0068	Attendant has busied out the RAN route - call is intercepted to attendant. Module: DIGPR. Procedure: TRUNKTER.
NCT0069	TGAR restriction on the RAN route. Module: DIGPR. Procedure: TRUNKTER.
NCT0070	AWR trunk is not a mntdevice or AWR route is not in the CDB. Module: DIGPR. Procedure: TRUNKTER.
NCT0071	Route is not an outgoing route or an AWR route. Module: DIGPR. Procedure: TRUNKTER.
NCT0072	Trunk list block does not exist or URDATA block does not exist. Module: DIGPR. Procedure: TRUNKTER.
NCT0073	ALL_RTS_DENIED for the route with ISA option. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0074	ALL_RTS_DENIED for B-channel route or ISL route. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0075	NCRD blocked the trunk to trunk access for CFNA/CFB to a network DN. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0076	SEARCH_ROUTE found one idle trunk but it is blocked. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0077	SEARCH_ROUTE found two idle trunks but both are blocked. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0078	SEARCH_ROUTE found no idle trunks. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0079	SEARCH_ROUTE found attendant has busied out the route. Module: DIGPR. Procedure: TRUNK_HUNT.
NCT0080	SEARCH_ROUTE found access is denied on the route. Module: DIGPR. Procedure: TRUNK_HUNT.

NCT0081	Unprotected route data block does not exist. Module: GLOB4. Procedure: SEARCH_ROUTE.
NCT0082	Service route pointer is NIL for the ISA route. Module: GLOB4. Procedure: SEARCH_ROUTE.
NCT0083	ISA route pointer is NIL for the service route. Module: GLOB4. Procedure: SEARCH_ROUTE.
NCT0084	Trunk list block pointer is NIL (i.e., block does not exist). Module: GLOB4. Procedure: SEARCH_ROUTE.
NCT0085	SET_PRI2_PTRS fails. Module: GLOB4. Procedure: GET_TRUNK.
NCT0086	(PRI2_NNC_STATE) or (PRI2_NNDC_STATE and data call). Module: GLOB4. Procedure: GET_TRUNK.
NCT0087	SET_DTI2_PTRS fails. Module: GLOB4. Procedure: GET_TRUNK.
NCT0088	(DTI2_NNC_STATE) or (DTI2_NNDC_STATE and data Call). Module: GLOB4. Procedure: GET_TRUNK.
NCT0089	Far-end is maintenance busy or disabled for B-channel/ISL trunk. Module: GLOB4. Procedure: GET_TRUNK.
NCT0090	B-channel/ISL trunk is in "restart" or "forced disconnect" state. Module: GLOB4. Procedure: GET_TRUNK.
NCT0091	ADM/MODEM pair is busy. Module: GLOB4. Procedure: GET_TRUNK.
NCT0092	Number of data calls has exceeded the limit specified in the DLOOP. Module: GLOB4. Procedure: GET_TRUNK.
NCT0093	Access to the trunk is not allowed - check ACCESS_ALLOWED. Module: GLOB4. Procedure: GET_TRUNK.
NCT0094	ANI_NO_CR_TONE. Module: GLOB4. Procedure: GET_TRUNK.
NCT0095	SPEECHPATH failed (i.e., no network timeslot available). Module: GLOB4. Procedure: GET_TRUNK.
NCT0096	Have tried searching for idle trunks twice and still was blocked. Module: GLOB4. Procedure: GET_TRUNK.
NCT0097	Have tried searching for idle trunks once and was blocked. Module: GLOB4. Procedure: GET_TRUNK.

NCT0098	Trunk is busy (i.e., active or is non-NIL). Module: GLOB4. Procedure: GET_TRUNK.
NCT0099	MAINT_TNTRANS failed on the trunk TN. Module: GLOB4. Procedure: GET_TRUNK.
NCT0100	No idle trunks are found. Module: GLOB4. Procedure: GET_TRUNK.
NCT0101	Code restriction blocks the call from a TLD set. Module: GLOB4. Procedure: INITIATE_B_CH.
NCT0102	Call is blocked for CDR_OUT_TOLL in RDB from a non-TLD set. Module: GLOB4. Procedure: INITIATE_B_CH.
NCT0103	ISDN (.REQ_CALL_INIT) failed. Module: GLOB4. Procedure: INITIATE_B_CH.
NCT0104	GET_TTR_TRK_PATH failed. Module: GLOB4. Procedure: TTR_SATISFIED.
NCT0105	NARS call and no access. Module: GLOB4. Procedure: ALL_BSY_THIS_RTE.
NCT0106	Huntsteps is neither 30 nor 31 and no access. Module: GLOB4. Procedure: ALL_BSY_THIS_RTE.
NCT0107	SECOND_SEARCH=ATTN_BUSY_ROUTE and NOT_ATTN_BUSY. Module: GLOB4. Procedure: ALL_BSY_THIS_RTE.
NCT0108	NOT_ATTN_BUSY. Module: GLOB4. Procedure: ALL_BSY_THIS_RTE.
NCT0109	Not NOT_ATTN_BUSY (i.e., Attendant busied out the route). Module: GLOB4. Procedure: ALL_BSY_THIS_RTE.
NCT0110	ANI has lost its SON CR after calling ANI module. Module: GLOB4. Procedure: TRUNK_SEIZE_INIT.
NCT0111	ESN signaling failed - SIGNAL_MODULE. Module: ISDN. Procedure: OUTG_CALL_INIT.
NCT0112	DCH not established or DCH_L_WAIT non-zero and DCH not in polling state. Module: ISDN. Procedure: OUTG_CALL_INIT.
NCT0113	No channel number. Module: ISDN. Procedure: OUTG_CALL_INIT.
NCT0114	INIT_MSG_CR failed - return value is.FALSE. Module: ISDN. Procedure: OUTG_CALL_INIT.

NCT0115	ASSIGN_REFNUM failed - return value is.FALSE. Module: ISDN. Procedure: OUTG_CALL_INIT.
NCT0116	No MSGCR can be allocated. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0117	Incoming PRA/ISL does not have a MSGCR. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0118	Incompatible bearer capability for PRA/ISL incoming call. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0119	Incompatible bearer capability for non-PRA/ISL incoming call. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0120	TNTRANS failed on ORIGN (TRK). Module: ISDN. Procedure: INIT_MSG_CR.
NCT0121	Bearer capability is not allowed for the terminating switch. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0122	NSF is not supported for the trunk type - CCSA, DID, CO to DMS. Module: ISDN. Procedure: INIT_MSG_CR.
NCT0123	SET_ROUTE_PTRS failed. Module: ISDN. Procedure: ENBLOC_DIALING.
NCT0124	Not all expected number of digits have been received, but PRA_EOD_FLAG is set. Module: ISDN. Procedure: ENBLOC_DIALING.
NCT0125	Not all expected number of digits have been received, but PRA_EOD_FLAG is set. Module: ISDN. Procedure: PROC_NOT_SURE.
NCT0126	Service route (associated with ISA route) pointer is NIL. Module: ISDN. Procedure: DO_DGT_ANALYSIS.
NCT0127	No digit has been dialed, but PRA_EOD_FLAG is set - "#" dialed. Module: ISDN. Procedure: DO_DGT_ANALYSIS.
NCT0128	PRA_EOD_FLAG is set, but the single digit is not 0. Module: ISDN. Procedure: ONE_DIGIT.
NCT0129	PRA_EOD_FLAG is set, but digit translation is not.EXACT#_KNOWN. Module: ISDN. Procedure: TWO_DIGITS.
NCT0130	PRA_EOD_FLAG is set, the first digit is 0 but digit translation is not.EXACT#_KNOWN. Module: ISDN. Procedure: THREE_DIGITS.

NCT0131	PRA_EOD_FLAG is set, the first digit is 1 but digit translation is not.CANT_DETERM. Module: ISDN. Procedure: THREE_DIGITS.
NCT0132	PRA_EOD_FLAG is set, but not all expected number of digits are received.
NCT0133	An invalid interface ID is encountered in the route data block. Module: ISDN. Procedure: INV_IFC_PRBPTR.
NCT0134	SET_ROUTE_PTRS failed. Module: ISDN. Procedure: TERMINATE.
NCT0135	NCT is not invoked to the next node due to (1) it is not an SL-1 switch, or (2) an SL-1 switch does not have NCT software. Module: NETT. Procedure: RCAP_NCT.
NCT0136	SEARCH_ROUTE has found one idle trunk, but it was blocked. Module: ISDN. Procedure: TERMINATE.
NCT0137	SEARCH_ROUTE has found two idle trunks, but both were blocked. Module: ISDN. Procedure: TERMINATE.
NCT0138	SEARCH_ROUTE found no idle trunks. Module: ISDN. Procedure: TERMINATE.
NCT0139	SEARCH_ROUTE found that attendant has busied out the route. Module: ISDN. Procedure: TERMINATE.
NCT0140	SEARCH_ROUTE returned that access to the route is denied. Module: ISDN. Procedure: TERMINATE.
NCT0141	SET_ROUTE_PTRS failed. Module: ISDN. Procedure: ENBLOC_TIMEOUT.
NCT0142	Second dialtone timeout or barge-in timeout has occurred. Module: ISDN. Procedure: ENB_EVENTS_TO.
NCT0143	Second timeout has occurred and the expected number of digits are not collected. Module: ISDN. Procedure: EXACT_#_TO.
NCT0144	Timer expires, but not all expected number of digits are collected. Module: ISDN. Procedure: NOT_SURE_TO.
NCT0145	Procedure ISA_TRK_CHECK returned a.FALSE value. Module: ISDN. Procedure: RCV_SETUP.
NCT0146	MIN_MAX_CHK returned a.FALSE value for NSF =YES. Module: ISDN. Procedure: RCV_SETUP.

NCT0147	SET_ROUTE_PTRS failed for ISA route. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0148	Service route is not applicable to AXE-10, SYS-12 interfaces. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0149	Service route is not applicable to an invalid interface ID. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0150	SVC_RTE_OK failed. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0151	Service route has not been configured - ISA_SERV_RTE = H.FFFF. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0152	SRV_RTE_PTR is NIL. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0153	DMS_ISA_TRK_COMP returned a.FALSE value. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0154	No trunk compare and MIN/MAX check for invalid interface ID. Module: ISDN. Procedure: ISA_TRK_CHECK.
NCT0155	SID table does not exist. Module: ISDN. Procedure: FIND_DMS_SVC_RTE.
NCT0156	ISA service route pointer = NIL in the SID table. Module: ISDN. Procedure: FIND_DMS_SVC_RTE.
NCT0157	ISA service route number does not exist (=NULL_ROUTE_NO). Module: ISDN. Procedure: FIND_DMS_SVC_RTE.
NCT0158	The numbering plan of the Called Party Number is unknown for non-NSF. Module: ISDN. Procedure: FIND_DMS_SVC_RTE.
NCT0159	The service route block pointer is NIL. Module: ISDN. Procedure: FIND_ESS_SVC_RTE.
NCT0160	ISA service route number does not exist (=NULL_ROUTE_NO). Module: ISDN. Procedure: FIND_ESS_SVC_RTE.
NCT0161	ESN signaling module failed. Module: ISDN. Procedure: INC_TERMINATE.
NCT0162	64kc Bearer Capability call tries to terminate to a non-data DN/non-SL-1 DN/non-Trunk DN/non-NARS DN/non-DISA DN. Module: ISDN. Procedure: BC_COMPATIBLE.

NCT0163	64kr Bearer Capability call tries to terminate to a non-data DN/non-SL-1 DN/non-Trunk DN/non-NARS DN/non-DISA DN. Module: ISDN. Procedure: BC_COMPATIBLE.
NCT0164	56k Bearer Capability call tries to terminate to a non-data DN/non-SL-1 DN/non-Trunk DN/non-NARS DN/non-DISA DN. Module: ISDN. Procedure: BC_COMPATIBLE.
NCT0165	At the originating switch, only trunk calls can be accessed by Network Call Trace. Module: DIGPR. Procedure: DNTRANS.
NCT0167	Procedure BC_COMPATIBLE failed. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0168	Incoming call termination, mainpm =.IDLE. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0169	Incoming call termination, mainpm =.READY. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0170	Incoming call termination, mainpm =.BUSY. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0171	Incoming call termination, mainpm =.REORDER. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0172	Incoming call termination, mainpm =.DELAY_DIALING. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0173	Incoming call termination, mainpm =.WINKON. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0174	Incoming call termination, mainpm =.HALFDISCONNECT. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0175	Incoming call termination, mainpm =.SPECIAL. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0176	Incoming call termination, mainpm =.CDR. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0177	Incoming call termination, mainpm =.CAS_INFO_TONE. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0178	Incoming call termination, mainpm =.RLA_CONF_DISC. Module: ISDN. Procedure: IN_SETUP_MSG.

NCT0179	Incoming call termination, mainpm =.CAS_HOLD. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0180	Incoming call termination, mainpm =.OBSERVE_PM. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0181	Incoming call termination, mainpm =.AAB_DISCONNECT. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0182	Incoming call termination, mainpm is greater than.MAX_MAINPM. Module: ISDN. Procedure: IN_SETUP_MSG.
NCT0183	Terminating side is not a trunk. Module: ISDN. Procedure: PRA_DIALING.
NCT0184	Source =.PRA_DISC, but MSG_CR is NIL. Module: PRA. Procedure: PRA_HANDLER.
NCT0185	Procedure SET_DCH_PTRS failed. Module: PRA. Procedure: PRA_HANDLER.
NCT0186	DCH is not the active one, or DCH is in switchover waiting state and not polling state. Module: PRA. Procedure: DL_DATA_CREF.
NCT0187	Protocol Discriminator is not 00001000. Module: PRA. Procedure: DL_DATA_CREF.
NCT0188	Message type is a SETUP message but reference flag is 0 (for all interfaces other than ESS4 and ESS5). Module: PRA. Procedure: DL_DATA_CREF.
NCT0191	The channel is either MBSY, or far-end is out-of-service and no channel negotiation. Module: PRA. Procedure: SL1_CH_CHK.
NCT0192	Alternate channel was found, but TNTRANS failed. Module: PRA. Procedure: INC_CH_NEGO.
NCT0193	Alternate channel was not found. Module: PRA. Procedure: INC_CH_NEGO.
NCT0196	The trunk is neither a B-channel nor it is an ISL trunk. Module: PRA. Procedure: LINK_MSGCR.
NCT0197	Cannot assign a call reference number in the call reference table. Module: PRA. Procedure: LINK_MSGCR.
NCT0198	TNTRANS failed and PRA_CH_NO = 0 and CLEAR_GLARE_CH. Module: PRA. Procedure: LINK_MSGCR.

NCT0199	TNTRANS failed, PRA_CH_NO 0 and PRA STATEPM = NULL STATE. Module: PRA. Procedure: LINK_MSGCR.
NCT0200	TNTRANS failed, PRA_CH_NO 0 and PRA STATEPM NULL STATE. Module: PRA. Procedure: LINK_MSGCR.
NCT0201	SET_ROUTE_PTRS failed on the ISA route. Module: PRA. Procedure: MIN_MAX_CHK.
NCT0202	ISA active calls Š ISA maximum allowed. Module: PRA. Procedure: MIN_MAX_CHK.
NCT0203	ISA active calls Š ISA B-channels reserved. Module: PRA. Procedure: MIN_MAX_CHK.
NCT0204	MSG length Š 261 octets. Module: PRAUT. Procedure: I_SETUP.
NCT0205	IE length = 0. Module: PRAUT. Procedure: BEARER_CAP.
NCT0206	Coding standard is not CCITT standard (octet 3). Module: PRAUT. Procedure: BEARER_CAP.
NCT0207	Extension bit is not set in octet 3. Module: PRAUT. Procedure: BEARER_CAP.
NCT0208	Xfer mode 00, or Information Xfer Rate 10000 (octet 4). Module: PRAUT. Procedure: I_BC_SPEECH.
NCT0209	Xfer mode 00, or Information Xfer Rate 10000 (octet 4). Module: PRAUT. Procedure: I_BC_3_1KHZ.
NCT0210	Octet 5 Mu Law or G.711 A Law (for SYS-12, AXE-10). This is applicable to Speech or 3.1k Hz Bearer Capability only. Module: PRAUT. Procedure: CHECK_LAW.
NCT0211	Xfer mode 00, or Information Xfer Rate 10000 in octet 4. Module: PRAUT. Procedure: I_BC_64K.
NCT0212	Coding error for 64KR for DMS/ SL1/SL100, 64KC for ESS4/ESS5, 56K for SYS-12/AXE-10. Module: PRAUT. Procedure: I_BC_64K.
NCT0213	Protocol ID Rate Adaption (00001) for 56K (octet 5). Module: PRAUT. Procedure: I_BC_64K.
NCT0214	Layer ID Layer 1 (001) for 56K (octet 5). Module: PRAUT. Procedure: I_BC_64K.

NCT0215	Extension bit is set for octet 5. Module: PRAUT. Procedure: I_BC_64K.
NCT0216	Rate is not 0001111 - octet 5a. Module: PRAUT. Procedure: I_BC_64K.
NCT0217	Extension bit is not set. Module: PRAUT. Procedure: I_BC_64K.
NCT0218	Extension bit is not set on DMS/ SL1/SL100 interfaces. Skip 4a, 4b and extension bit is not set for the next IE on ESS4/ESS5 interface. Error on SYS-12/AXE-10. Module: PRAUT. Procedure: ALLOW_EXT_4A_4B.
NCT0219	Bearer Capability is not supported. Module: PRAUT. Procedure: BC_CAP_ERROR.
NCT0220	IE length = 0. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0221	Octet 3 coding error - not 101001 for DMS, not 100001 for SYS-12/ AXE-10. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0222	Extension bit is not set in octet 3. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0223	Extension bit is not set in octet 4. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0224	Channel type 0011 (B-channel units) in octet 5. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0225	Extension bit is not set in octet 5. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0226	Extension bit is not set in octet 6 - applicable to ESS4/ESS5/SYS-12. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0227	PRA_CH_NO in MSGCR the "calculated" channel number. Module: PRAUT. Procedure: CHANNEL_ID.
NCT0228	IE length = 0. Module: PRAUT. Procedure: PROGRESS_IND.
NCT0229	Coding standard CCITT Std, or National Std (for SYS-12) in octet 3. Module: PRAUT. Procedure: PROGRESS_IND.
NCT0230	Failed General Location checking in octet 3. Module: PRAUT. Procedure: PROGRESS_IND.
NCT0231	Extension bit is not set in octet 3. Module: PRAUT. Procedure: PROGRESS_IND.
NCT0232	Failed Progress Description checking in octet 4. Module: PRAUT. Procedure: PROGRESS_IND.
NCT0233	Extension bit is not set in octet 4. Module: PRAUT. Procedure: PROGRESS_IND.

NCT0234	IE length = 0. Module: PRAUT. Procedure: NTWK_SPEC_FAC.
NCT0235	Total length of IE greater than IE length received in the IE itself. Module: PRAUT. Procedure: NTWK_SPEC_FAC.
NCT0236	IE length = 0. Module: PRAUT. Procedure: CALLING_PTY_#.
NCT0237	Extension bit is not set in octet 3a. Module: PRAUT. Procedure: CALLING_PTY_#.
NCT0238	Total length of IE greater than IE length received in the IE itself. Module: PRAUT. Procedure: CALLING_PTY_#.
NCT0239	IE length = 0. Module: PRAUT. Procedure: CALLED_PTY_#.
NCT0240	Extension bit is not set in octet 3. Module: PRAUT. Procedure: CALLED_PTY_#.
NCT0241	IE length = 0. Module: PRAUT. Procedure: ORIG_CALLED_#.
NCT0242	Extension bit is not set in octet 3c. Module: PRAUT. Procedure: ORIG_CALLED_#.
NCT0243	Total length of IE greater than IE length received in the IE itself. Module: PRAUT. Procedure: ORIG_CALLED_#.
NCT0244	IE length = 0. Module: PRAUT. Procedure: REDIRECTING_#.
NCT0245	Extension bit is not set in octet 3b. Module: PRAUT. Procedure: REDIRECTING_#.
NCT0246	Total length of IE greater than IE length received in the IE itself. Module: PRAUT. Procedure: REDIRECTING_#.
NCT0247	IE length = 0. Module: PRAUT. Procedure: TRANS_NTWK_SEL.
NCT0248	IE length = 0. Module: PRAUT. Procedure: FACILITY_IE.
NCT0249	BRIT Channel Id IE has a null length.
NCT0250	Wrong value of extension bit in BRIT Channel Id IE.
NCT0251	Invalid encoding in BRIT Channel Id IE.
NCT0252	Message received with a Channel Id different from the expected value.
NCT0253	ISDN call can only be flagged as PRI or BRIT call.

NCT0254	Source = PRA_DISC, but MSG_CR is NIL. Module: BRIT. Procedure: BRIT_HANDLER
NCT0255	Protocol Discriminator is not 00001000. Module: BRIT. Procedure: DL_DATA_CREF.
NCT0256	Message type is a SETUP message but reference flag is 0. Module: BRIT. Procedure: DL_DATA_CREF.
NCT0257	The channel is either MBSY, or far end is out of service and no channel negotiation. Module: BRIT. Procedure: SLI_CHK.
NCT0258	Alternate channel was found, but TNTRANS failed. Module: BRIT. Procedure: INC_CH_NEGO
NCT0259	The trunk is not a B-channel. Module: BRIT. Procedure: LINK_MSGCR.
NCT0260	TNTRANS failed and PRA_CH_NO = 0. Module: BRIT. Procedure: LINK_MSGCR.
NCT0261	TNTRANS failed, PRA_CH_NO = 0 and PRA_STATEPM = NULL STATE. Module: BRIT. Procedure: LINK_MSGCR.
NCT0262	NTRANS failed, PRA_CH_NO = 0 and PRA_STATEPM = NULL STATE. Module: BRIT. Procedure: LINK_MSGCR.
NCT0274	In PTU_CHECK_OK, no trunks available for non-priority users. Procedure: GET_TRUNK in SEARCH_ROUTE.
NCT0275	No trunks available. Module: PTU. Procedure: ACOD_FIRST_CHECK.
NCT0276	No trunks available for non-priority users. Module: PTU. Procedure: ACOD_SECOND_CHECK.
NCT0277	No trunks available; ATB bit set. Module: NARS. Procedure: EARLY_SEARCH_ROUTE.
NCT0278	No trunks available; idle trunk counter = 0. Module: NARS. Procedure: EARLY_SEARCH_ROUTE.
NCT0279	No trunks available; route is attendant busied. Module: NARS. Procedure: EARLY_SEARCH_ROUTE.
NCT0280	No trunks available; no trunks are defined on the route. Module: NARS. Procedure: EARLY_SEARCH_ROUTE.

NCT0281	No trunks available for non-priority users. Module: NARS. Procedure: EARLY_SEARCH_ROUTE.
NCT0282	Incoming VNS - no VDN available.
NCT0283	Incoming VNS - no CR available.
NCT0284	Incoming VNS - problem is assigning a reference number
NCT0285	Incoming VNS - problem to set the customer data pointers
NCT0286	Outgoing VNS - problem to set the customer data pointers.
NCT0287	Outgoing VNS - no VDN available.
NCT0288	Outgoing VNS - the maximum number of VNS calls for the route list entry has been reached.
NCT0289	Outgoing VNS - the maximum number of VNS calls to the VNS D-channel has been reached.
NCT0290	VNS NWQ call - something wrong at the creation of the NARS CR.
NCT0291	VNS NWQ call - no CR available for NARS.
NCT0292	VNS call fails to terminate to the NACD agent reserved.